



Page 1 of 5

FORM PTO-1449

**SIXTH SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.  
1744.0250001APPLICATION NO.  
09/476,092FIRST NAMED INVENTOR  
David F. SorrellsFILING DATE  
January 3, 2000ART UNIT  
2617**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
NM	AG73	6,591,310 B1	07/2003	Johnson	—	—	—
NM	AH73	6,963,626 B1	11/2005	Shaeffer et al.	—	—	—
NM	AI73	4,811,422	03/1989	Kahn	—	—	—

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
NM	AM25	JP 61-232706	10/1986	JP	—	—	No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

EXAMINER INITIAL	DOC. REF.	CITATION
	AN61	
	AO61	
NM	AP61	English-language Abstract of Japanese Patent Publication No. JP 61-232706, data supplied by the espacenet, 1 page (October 17, 1986 - Date of publication of application).
NM	AQ61	English-language Abstract of Japanese Patent Publication No. JP 9-171399, data supplied by the espacenet, 1 page (June 30, 1997 - Date of publication of application).
NM	AR61	English-language Abstract of Japanese Patent Publication No. JP 10-41860, data supplied by the espacenet, 1 page (February 13, 1998 - Date of publication of application).

EXAMINER /Naghmeh Mehrpour/

DATE CONSIDERED  
12/12/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <b>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>			ATTY. DOCKET NO. 1744.0250001		APPLICATION NO. 09/476,092		
			FIRST NAMED INVENTOR David F. Sorrells				
			FILING DATE January 3, 2000		ART UNIT 2617		
			<b>U.S. PATENT DOCUMENTS</b>				
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
NM	AA74	5,825,257	10/1998	Klymyshyn et al.	—	—	—
	AB74	5,986,600	11/1999	McEwan	—	—	—
	AC74	6,865,399 B2	03/2005	Fujioka et al.	—	—	—
	AD74	2006/0039449 A1	02/2006	Fontana et al.	—	—	—
	AE74	5,847,594	12/1998	Mizuno	—	—	—
	AF74	3,641,442	02/1972	Boucher	—	—	—
	AG74	5,140,699	08/1992	Kozak	—	—	—
	AH74	7,050,058 B2	05/2006	Sorrells et al.	—	—	—
↓	AI74	7,054,296 B1	05/2006	Sorrells et al.	↓	↓	↓
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
NM	AJ26	JP 9-171399	06/1997	JP	—	—	No
NM	AK26	JP 10-41860	02/1998	JP	↓	↓	No
	AL				—	—	Yes
	AM				—	—	No
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
EXAMINER INITIAL	DOC. REF.	CITATION					
	AN						
	AO						
	AP						
	AQ						
	AR						
EXAMINER /Naghmeh Mehrpour/			DATE CONSIDERED 12/12/2006				
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<u>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u>		FIRST NAMED INVENTOR David F. Sorrells	
		FILING DATE January 3, 2000	ART UNIT 2617

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
NM	AA75	7,065,162 B1	06/2006	Sorrells et al.	—	—	—
	AB75	2003/0149579 A1	08/2003	Begemann et al.	—	—	—
	AC75	5,063,387	11/1991	Mower	—	—	—
	AD75	5,535,402	07/1996	Leibowitz et al.	—	—	—
	AE75	6,512,785 B1	01/2003	Zhou et al.	—	—	—
	AF75	6,567,483 B1	05/2003	Dent et al.	—	—	—
	AG75	6,775,684 B1	08/2004	Toyoyama et al.	—	—	—
	AH75	4,740,792	04/1988	Sagey et al.	—	—	—
↓	AI75	5,239,687	08/1993	Chen	↓	↓	↓

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER INITIAL	DOC. REF.	CITATION
	AN	
	AO	
	AP	
	AQ	
	AR	

EXAMINER /Naghmeh Mehrpour/ DATE CONSIDERED 12/12/2006

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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
NM	AA76	5,552,789	09/1996	Schuermann	—	—	—
	AB76	5,905,433	05/1999	Wortham	—	—	—
	AC76	6,647,270 B1	11/2003	Himmelstein	—	—	—
	AD76	6,034,566	03/2000	Ohe	—	—	—
	AE76	6,313,700 B1	11/2001	Nishijima et al.	—	—	—
	AF76	6,959,178 B2	10/2005	Macedo et al.	—	—	—
	AG76	6,999,747 B2	02/2006	Su	—	—	—
	AH76	2004/0125879 A1	07/2004	Jaussi et al.	—	—	—
↓	AI76	7,072,390 B1	07/2006	Sorrells et al.	↓	↓	↓

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ				—	—	Yes No
	AK				—	—	Yes No
	AL				—	—	Yes No
	AM				—	—	Yes No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

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			FIRST NAMED INVENTOR David F. Sorrells				
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<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
NM	AA77	7,072,427 B2	07/2006	Rawlins et al.	—	—	—
NM	AB77	7,076,011 B2	07/2006	Cook et al.	—	—	—
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
EXAMINER INITIAL	DOC. REF.	CITATION					
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FORM PTO-1449 <b>THIRTEENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>			ATTY. DOCKET NO. 1744.0250001		APPLICATION NO. 09/476,092		
			FIRST NAMED INVENTOR David F. Sorrells				
			FILING DATE January 3, 2000		ART UNIT 2617		
			<b>U.S. PATENT DOCUMENTS</b>				
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
NM	AC77	7,082,171 B1	07/2006	Johnson et al.			
	AD77	7,085,335 B2	08/2006	Rawlins et al.			
	AE77	3,739,282	06/1973	Bruch et al.			
	AF77	4,439,787	03/1984	Mogli et al.			
	AG77	4,866,441	09/1989	Conway et al.			
	AH77	4,885,671	12/1989	Pell			
↓	AI77	5,164,985	11/1992	Nysen et al.	↓	↓	↓
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
NM	AL26	JP 10-173563	06/1998	JP			Yes (Doc. AN62)
	AM						Yes No
<b>NON-PATENT LITERATURE DOCUMENTS</b>							
EXAMINER INITIAL	DOC. REF.	CITATION					
NM	AN62	English-language Computer Translation of Japanese Patent Publication No. JP 10-173563, provided by the JPO, 10 pages (June 26, 1998 - Date of publication of application) and cited in U.S. Patent Application Ser. No. 10/305,299, directed to related subject matter.					
NM	AO62	What is I/Q Data?, printed September 16, 2006, from <a href="http://zone.ni.com">http://zone.ni.com</a> , 8 pages (Copyright 2003).					
	AP						
	AQ						
	AR						
EXAMINER	/Naghmeh Mehrpour/				DATE CONSIDERED 12/08/2006		
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FORM PTO-1449  THIRTEENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT			ATTY. DOCKET No. 1744.0250001	APPLICATION No. 09/476,092
			FIRST NAMED INVENTOR David F. Sorrells	
			FILING DATE January 3, 2000	ART UNIT 2617

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
NM	AA78	5,734,683	03/1998	Hulkko et al.			
	AB78	5,918,167	06/1999	Tiller et al.			
	AC78	6,445,726 B1	09/2002	Gharpurey			
	AD78	6,560,451 B1	05/2003	Sornayajula			
	AE78	2,530,824	11/1950	King			
	AF78	7,107,028 B2	09/2006	Sorrells et al.			
	AG78	7,110,435 B1	09/2006	Sorrells et al.			
	AH78	7,110,444 B1	09/2006	Sorrells et al.			
↓	AI78	6,973,476 B1	12/2005	Naden et al.	↓	↓	↓

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

**NON-PATENT LITERATURE DOCUMENTS**

EXAMINER INITIAL	DOC. REF.	CITATION
	AN	
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FORM PTO-1449 THIRTEENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT			ATTY. DOCKET No. 1744.0250001		APPLICATION NO. 09/476,092		
			FIRST NAMED INVENTOR David F. Sorrells				
			FILING DATE January 3, 2000		ART UNIT 2617		
			<b>U.S. PATENT DOCUMENTS</b>				
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
NM	AA79	5,834,987	11/1998	Dent	—	—	—
	AB79	RE37,138 E	04/2001	Dent	—	—	—
	AC79	6,441,694 B1	08/2002	Turcotte <i>et al.</i>	—	—	—
	AD79	6,892,057 B2	05/2005	Nilsson	—	—	—
	AE79	6,741,650 B1	05/2004	Painchaud <i>et al.</i>	—	—	—
	AF79	6,441,659 B1	08/2002	Demone	—	—	—
↓	AG79	2002/0132642 A1	09/2002	Hines <i>et al.</i>	↓	↓	↓
	AH						
	AI						
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No
<b>NON-PATENT LITERATURE DOCUMENTS</b>							
EXAMINER INITIAL	DOC. REF.	CITATION					
	AN						
	AO						
	AP						
	AQ						
	AR						
EXAMINER /Naghmeh Mehrpour/			DATE CONSIDERED 12/08/2006				
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FORM PTO-1449

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1744.0250001APPLICATION NO.  
09/476,092APPLICANT  
Sorrells et al.FILING DATE  
January 3, 2000GROUP  
2685U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
N/M	AI48	3,622,885	11/1971	Oberdorf et al.	—	—	—

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 Technology Center 2600

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
N/M	AL19	EP 0 254 844 A2	02/1988	EP	H03D	7/00	N/A
	AM19	EP 0 632 577 A1	01/1995	EP	H03D	7/16	N/A

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

N/M	AO	56	Translation of Japanese Patent Publication No. JP 60-130203, 3 pages.
	AP	56	Razavi, B., "A 900-MHz/1.8-Ghz CMOS Transmitter for Dual-Band Applications, Symposium on VLSI Circuits Digest of Technical Papers, IEEE, pp. 128-131 (1998).
	AQ	56	Ritter, G.M., "SDA, A New Solution for Transceivers," 16th European Microwave Conference, Microwave Exhibitions and Publishers, pp. 729-733 (September 8, 1986).
↓	AR	56	DIALOG File 351 (Derwent WPI) English Language Patent Abstract for FR 2 669 787, 1 page (May 29, 1992- Date of publication of application).

EXAMINER

DATE CONSIDERED

3/26/03

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Page 1 of 4

FORM PTO-1449

ELEVENTH SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1744.0250001APPLICATION NO.  
09/476,092

## FIRST NAMED INVENTOR

David F. Sorrells

## FILING DATE

January 3, 2000

## ART UNIT

2686

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
NM	AA				—	—	—
	AB				—	—	—
	AC				—	—	—
	AD				—	—	—
	AE				—	—	—
	AF				—	—	—
	AG70	6,975,848 B2	12/2005	Rawlins et al.	—	—	—
VM	AH70	6,404,758 B1	06/2002	Wang	—	—	—
	AJ70	6,909,739 B1	06/2005	Eerola et al.	—	—	—

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
NM	AJ24	WO 98/53556, A2	11/1998	PCT	—	—	N/A
	AK24	DT 1936252	01/1971	DT	—	—	Yes (Doc. AO60)
	AL24	JP 62-12381	01/1987	JP	—	—	No
	AM24	JP 4-154227	05/1992	JP	—	—	No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

EXAMINER INITIAL	DOC. REF.	CITATION
NM	AN60	Gaudiosi, J., "Retailers will bundle Microsoft's Xbox with games and peripherals," <i>Video Store Magazine</i> , Volume 23, Issue 36, pg. 8, 2 pages (September 2-8, 2001).
	AO60	English-language Translation of German Patent Publication No. DT 1936252, translation provided by Transperfect Translations, 12 pages (January 28, 1971 - Date of publication of application).
	AP60	English-language Abstract of Japanese Patent Publication No. JP 62-12381, data supplied by the espacenet, 1 page (January 21, 1987 - Date of publication of application).
	AQ60	English-language Abstract of Japanese Patent Publication No. JP 4-154227, data supplied by the espacenet, 1 page (May 27, 1992 - Date of publication of application).
VM	AR60	English-language Abstract of Japanese Patent Publication No. JP 6-284038, data supplied by the espacenet, 1 page (October 7, 1994 - Date of publication of application).

EXAMINER	/Naghmeh Mehrpour/	DATE CONSIDERED
		07/14/2006

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FORM PTO-1449

THIRD SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1744.0250001	APPLICATION NO. 09/476,092
<b>APPLICANT</b> Sorrells et al.	
FILING DATE January 3, 2000	GROUP 2683

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
NM		AA50 3,852,530	12/1974	Shen			
VW		AB50 4,220,977	09/1980	Yamanaka			
		AC50 5,016,242	05/1991	Tang			
		AD50 5,937,013	08/1999	Lam et al.			
		AE50 6,014,551	01/2000	Pesola et al.			07/16/1997
		AF50 6,073,001	06/2000	Sokoler			05/08/1998
		AG50 6,085,073	07/2000	Palermo et al.			03/02/1998
		AH50 6,400,963 B1	06/2002	Glöckler et al.			05/21/1999
		AI50 6,230,000 B1	05/2001	Taylor			10/15/1998

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
NM		AJ23 WO 00/31659 A1	06/2000	PCT			RECEIVED N/A
							JUL 16 2003
							Technology Center 2600

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

NM	AN	58	Dines, J.A.B., "Smart Pixel Optoelectronic Receiver Based on a Charge Sensitive Amplifier Design," <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , IEEE, Vol. 2, No. 1, pp. 117-120 (April 1996).
NM	AO	58	Simoni, A. et al., "A Digital Camera for Machine Vision," <i>20th International Conference on Industrial Electronics, Control and Instrumentation</i> , IEEE, pp. 879-883 (September 1994).
NM	AP	58	Stewart, R.W. and Pfann, E., "Oversampling and sigma-delta strategies for data conversion," <i>Electronics &amp; Communication Engineering Journal</i> , IEEE, pp. 37-47 (February 1998).
NM	AQ	58	Rudell, J.C. et al., "A 1.9-Ghz Wide-Band IF Double Conversion CMOS Receiver for Cordless Telephone Applications," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 32, No. 12, pp. 2071-2088 (December 1997).

EXAMINER	<i>[Signature]</i>	DATE CONSIDERED <i>[Signature]</i>
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